

|                |   |   |
|----------------|---|---|
| VIII-4-1       | <p>Declaration: Inventorship (only for the purposes of the designation of the United States of America)</p> <p>Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p> | <p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p> |
| VIII-4-1<br>-1 | Prior applications:   | 60/393,025, US, 01 July 2002<br>(01.07.2002)  |

PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

|                        |                    |
|------------------------|--------------------|
| Application Number     |                    |
| Filing Date            |                    |
| First Named Inventor   | AZIJN, Hilde et al |
| Group Art Unit         |                    |
| Examiner Name          |                    |
| Attorney Docket Number | TIP 015 USA        |

I hereby appoint:

Practitioners at Customer Number **000027777** →

Place Customer  
Number Bar Code  
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OR  
 Practitioner(s) named below:

| Name | Registration Number |
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as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

Customer Number **000027777**

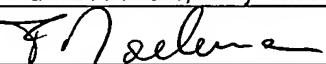
OR

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|---|-------|-----|--|
| <input type="checkbox"/> Firm or<br>Individual Name |       |     |  |
| Address   |       |     |  |
| Address   |       |     |  |
| City  | State | Zip |  |
| Country   |       |     |  |
| Telephone   | Fax   |     |  |

I am the:

Applicant/Inventor  
 Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).*

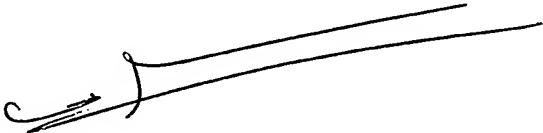
**SIGNATURE of Applicant or Assignee of Record**

|           |   |
|-----------|---|
| Name      | Frank Daelemans, Proxy Holder   |
| Signature |  |
| Date      | 7 December 2004   |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

|  |   |
|--|---|
| <p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p> |   |
| VIII-4-1<br>-1-1   | Name: <u>Hoo</u>  |
| VIII-4-1<br>-1-2   | Residence: (city and either US State, if applicable, or country) <u>Leuven, Belgium</u> <i>BEX</i>  |
| VIII-4-1<br>-1-3   | Mailing address: <u>Wijngaardlaan 8</u><br><u>B-3001 Leuven</u><br><u>Belgium</u><br><u>BE</u>  |
| VIII-4-1<br>-1-4   | Citizenship: <u>BE</u>  |
| VIII-4-1<br>-1-5   | Inventor's Signature:<br>(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)<br><i>Hilde Hoo</i> |
| VIII-4-1<br>-1-6   | Date:<br>(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)<br><i>22- Jul - 2003</i>   |

|                  |   |  |
|------------------|---|--|
| VIII-4-1<br>-2-1 | Name: <u>200</u>  | DE BETHUNE, Marie-Pierre T.M.M.G.  |
| VIII-4-1<br>-2-2 | Residence:<br>(city and either US State, if applicable, or country)   | <u>Everberg, Belgium</u> <u>BEX</u>  |
| VIII-4-1<br>-2-3 | Mailing address:  | <u>Twee Leeuwenstraat 15</u><br><u>B-3078 Everberg</u><br><u>Belgium</u><br><u>BE</u>        |
| VIII-4-1<br>-2-4 | Citizenship:  |  |
| VIII-4-1<br>-2-5 | Inventor's Signature:<br>(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) |            |
| VIII-4-1<br>-2-6 | Date:<br>(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)  | <u>01 - Jul - 2003</u>   |
| VIII-4-1<br>-3-1 | Name: <u>300</u>  | VINGERHOETS, Johan Hendrika Jozef  |
| VIII-4-1<br>-3-2 | Residence:<br>(city and either US State, if applicable, or country)   | <u>Wijnegem, Belgium</u> <u>BEX</u>  |
| VIII-4-1<br>-3-3 | Mailing address:  | <u>Jan Baptist Pittoorsstraat 3</u><br><u>B-2110 Wijnegem</u><br><u>Belgium</u><br><u>BE</u> |
| VIII-4-1<br>-3-4 | Citizenship:  |  |
| VIII-4-1<br>-3-5 | Inventor's Signature:<br>(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) |          |
| VIII-4-1<br>-3-6 | Date:<br>(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the International application)  | <u>02 - July - 2003</u>  |

10/519436

JT12 3'd P0T/PT0 22 DEC 2004

TIP-15-USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tibotec Pharmaceuticals Ltd.

Serial No.: Art Unit:

Filed : Examiner:

For : NEW MUTATIONAL PROFILES IN HIV-1 REVERSE  
TRANSCRIPTASE CORRELATED WITH PHENOTYPIC DRUG  
RESISTANCE

Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE UNDER 37 CFR 3.73(b)

Tibotec Pharmaceuticals Ltd., a Corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application identified above. The assignments were recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), or the patent application identified above, to the current assignee as shown below:

1. From:  
To:  
The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

2. From:  
To:  
The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

3. From:  
To:

The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

7 December 2004

Date

F. Daelemans

Signature

Frank Daelemans

Typed or Printed Name

Proxy Holder

Title

A S S I G N M E N T

Serial No.

Filed

WHEREAS, 1) Hilde AZIJN, residing at Wijngaardlaan 8, B-3001 Leuven, Belgium; 2) Marie-Pierre T.M.M.G. DE BETHUNE, residing at Twee Leeuwenstraat 15, B-3078 Everberg, Belgium and 3) Johan Hendrika Jozef VINGERHOETS (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

NEW MUTATIONAL PROFILES IN HIV-1 REVERSE TRANSCRIPTASE  
CORRELATED WITH PHENOTYPIC DRUG RESISTANCE

*1/22 July 2003 2) 1 July 2003*

for which they have on the *3/22 July 2003* day of July, 2003 executed an application for Letters Patent of the United States; (Applicant(s) hereby authorize the legal representative(s) of record to enter herein the supplemental identification information for this application as provided by the US PTO); and and

WHEREAS, Tibotec Pharmaceuticals Ltd. a corporation of the State of Ireland, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set  
their hands and seals this                    day of                   , 2003

Hilde AZIJN

(L.S.)

Marie-Pierre DE BETHUNE

(L, S.)

STATE OF )  
COUNTY OF ) ss.

Toban Vingerhoets

(L.S.)

BE IT REMEMBERED, That on this day of ,  
2003, before me, a Notary Public, personally appeared

and, who I am satisfied are the persons named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

Notary Public

On this 18 day of August 2003 personally appeared before me Aloïs Van den Bossche, notary public at Vorselaar, province of Antwerp, Belgium,

- Miss AZIJN Hilde, 3001 Leuven, Wijngaardlaan, 8, (Belgium);
- Miss DE BETHUNE Marie-Pierre, 3078 Everberg, Twee Leeuwenstraat, 15, (Belgium).
- Mr. VINGERHOETS Johan Hendrika Jozef, 2110 Wijnegem, Jan Baptist Pittoorsstraat, 3, (Belgium);

to me known and known to me to be the persons described in and who executed the foregoing document, and they duly acknowledged to me that they executed the same for the uses and purposes therein expressed.

the notary public



Aloïs Van den Bossche  
Markt 2  
2290 Vorselaar

